## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent A	pplication Nos:	Customer No.: 30678
09/982,383	10/115,759	· ·
10/277,039	10/404,871	
10/963,877	08/758,709	
09/390,966	09/495,731	
11/151,183	10/097,091	
10/093,681	09/694,650	* .
11/058,116	10/369,389	
12/143,243	09/696,525	
08/865,276	11/713,119	
08/940,578	09/307,199	
09/305,263	09/220,184	
09/545,205	09/551,969	
09/322,891	09/482,295	٠.
09/322,270	09/781,614	
09/956,392	07/510,930	
10/118,705	10/872,094	
10/368,962	11/273;097	
10/875,025	097253,173	
08/758,710	08/013,614	•

## Revocation and Power of Attorney

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

All previous powers of attorney and authorizations of agent are hereby revoked, and the undersigned hereby appoints the attorneys and agents of Connolly Bove Lodge & Hutz LLP associated with U.S. Patent and Trademark Office ("PTO") Customer Number 30678 to prosecute these applications and any U.S., foreign, or international applications under the Patent Cooperation Treaty based on them and to transact all business in the PTO connected therewith, and to receive all communications from the PTO, including the patent documents. Further details about each application are found in the Appendix to this paper. The authority under this

Application Nos.: Aerospace Applications

Nev. 20, 2008

Power of Attorney of each person listed under the aforementioned PTO Customer Number shall automatically terminate and be revoked upon such person ceasing to be associated with Connolly Bove Lodge & Hutz LLP.

Designation of Correspondence Address

Please send all notices, official letters, documents, communications, and other correspondence regarding these applications to:

Connolly Bove Lodge & Hutz LLP 1875 Eye Street NW, Suite 1100 Washington, DC 20006

or to the address currently associated with PTO Customer Number 30678. Please also record the respective Attorney Docket Numbers in the attached appendix in any applicable databases.

Certificate Under 37 C.F.R. § 3.73(b)

The Aerospace Corporation is the assignee of the entire right, title, and interest in these applications by virtue of an assignment from the inventors to The Aerospace Corporation. To the best of the undersigned's knowledge and belief, the title is in the name of said assignee. The undersigned, whose title is supplied below, is empowered to sign the certificate on behalf of The Aerospace Corporation.

Signed:

Robert Donald Matthews

Title:

Assistant General Counsel

Authorized Person for The Aerospace Corporation

2

## APPENDIX: DETAILS OF LISTED APPLICATIONS

Applu. No.	Confirmation No.	Patent No.	Filing Date	First Named Inventor	Title	Attorney Docket No.
	- 7672			Rajendra Kumar	Polyphase	
		•			Channelization	
09/982,383		7145972	10/18/2001		System //	27592-00757-US
	5181			Charles Chiming	Turbo Decoding	•
				Wang	System Using Nth	
		-			Root Metrics For	
					Non-Gaussian	
			40/04/0000		Communication	27592-00758-US
10/277,039		7127000	10/21/2002		Channels	27592-00750-03
	2911			David A. Ksienski	Phased Array.	
				Ksienski	Intermodulation	
					Suppression Beam	
40,000,077		7009949	10/12/2004		Smearing Method	27592-00759-US
10/963,877	2070	7098848	10/12/2004	Gee L. Lui	Gaussian Minimum	
	7870			Gee L. Lui	Shift Heying	
					(Gmsk) Precoding	
					Communications	
09/390,966		7072414	9/7/1999		Method	27592-00760-US
09/390,900	5386	10,72414	1	John R.	Transmission Line	
	)360			Scarpulla	Analog To Digital	
11/151,183		7071862	6/10/2005		Converter	27592-00761-US
117101,100	4469			Tien M. Nguyen	High Power	
•					Amplifier	
10/093,681		6680648	3/8/2002		Predistorter System	27592-00762-US1
	4474			David A.	Multiple Beam	
	- "			Ksienski	Steered Subarrays	
11/058,116		7064710	2/15/2005		Antenna System	27592-00763-US1
	8223			Christopher Jos.	Frequency	
				Clark	Translating Device	
					Transmission	27592-00770-US1
08/865,276		5937006	5/28/1997		Response Method	27592-00770-031
	. 8992			David A.	Multiple Beam	
				Ksienski	Steered Subarrays	
12/143,243		N/A	6/20/2008		Antenna System	27592-00763-US2
12173,273	5076			Christopher	Frequency	
				Joseph Clark	Translating Device	
				-	Transmission	
08/940,578		6064694	9/30/1997		Response Method	27592-00770-US2
	1863			Christopher	Frequency	
			1	Joseph Clark	Translating Device	
					Transmission	07500 00770 1193
09/305,263		6041077	5/4/1999		Response Method	27592-00770-US3
	Need Conf. #			Need Inventor	Frequency Translating Device	
					Translating Device	
100/5/5 005			4/7/2000		Response Method	27592-00770-US4
09/545,205	9505		41112000	Christopher	High Frequency	
	8585			Patrick Silva	Anharmonic	
				I all lok Silva	Oscillator For The	
***************************************	1.				Generation Of	.
					Broadband	
09/322,891		6127899	5/29/1999		Deterministic Noise	27592-00771-US1

	,					Address Daniel M.
Appin.	Confirmation	Patent	Filing	First Named	Title	Attorney Docket No.
No.	No.	No.	Date	Inventor	December of Time	
	7746			Andrew Alfred	Baseband Time- Domain Waveform	
9		1	İ	Moulthrop	Meäsurement	
00/222 270	·	6211663	5/28/1999		Method	27592-00772-US1
09/322,270	1825	.0211003	3/20/1999	Gec L. Lui	Method And	27002-00772 00.
	102.5			GCC D. Dai	Processing System	
					For Estimating	
		}			Likelihood Ratios	
	. "				For Input Symbol	
09/956,392		6476739	9/18/2001		Values	27592-00773-US1
	7951	•		Paul Andrew	Method Of	
				Herman	Controlling Pointing	
				·	For A Flexible	
10/118,705		6845951	4/8/2002	:	Strücture :	27592-00774-US1
	4239			David	Tunable Optical	
10/368,962	*	6907052	02/19/03	Kozlowski	Local Oscillator	27592-00169-US1
	9714			Robert Dybdal	Main Beam	
	'				Alignment	
					Verification	
10/875,025		6937186	06/22/04		Tracking Antennas	27592-00170-US1
	6235			Robert Dybdal	Adaptive	
	*		40100.00		Transmitting	27592-00171-US1
08/758,710	14.	5781845	12/03/96		Atenna	2/592-001/1-051
	2337			Tien Nguyen	Mobile Surface Terminal	
					Communication	
<u>.</u>	. · . · · · · · · · · · · · · · · · · ·	0004400	0.4/00/00		System	27592-00172-US1
10/115,759		6804493	04/03/02	<u> </u>	Mobile Surface	21002-00112-001
	= -		74		Terminal	
					Communication	
No Appl.					System	27592-00172-US2
No.	6222			Ivan Bekey	Adaptive Reflector	
• •	0222	140		Truit Boxes	Antenna And	
					Method For	
	10.				Implementing The	
10/404,871	• : :	6,888,515	03/31/03	1:	Same	27592-00173-US1
10/404,07	- 6232			Robert Dybdal	Adaptive Receiving	
				·	Antenna For Beam	
08/758,709		5,739,788	12/03/96		Repositioning	27592-00174-US1
	5231			Siegfried Janson	Method For	
					Deploying An	
	1 1				Orbiting Sparse	07500 00475 1104
09/495,731	* * * * * * * * * * * * * * * * * * * *	6,725,012	02/01/00		Array Antenna	27592-00175-US1
	9910			Robert Dybdal	Method Of Tracking	
			•		A Signal From A	
•					Moving Signal	27592-00176-US1
10/097,091		6,731,240	03/11/02	+	Source Corrier	21392-00110-031
	1584			Gee Lui	Data Aided Carrier Phase Tracking	*
1					System For	•
					Precoded	
					Continuous Phase	
09/694,650		6,771,713	10/24/00		Modulated Signals	27592-00177-US1
03/034,030	4618	1	1.0.2.7.00	John Hurrell	Optical Fiber	
	70.0				Quadrature	
10/369,389		6,778,317	02/19/03		Demodulator	27592-00178-US1
	·	4.				
	•	**		=	•	
		•		5		
		•			••	
		•				
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Appla.	Confirmation	Patent	Filing	First Named	Title	Attorney Docket No.
No.	No.	No.	Date	Inventor	ı iiie	Attorney Ducket Ho.
110.	4895	110.	Date	Gee Lui	Data Aided Symbol	
	4623			Gee Lui	Timing System For	
					Precoded	
					Continuous Phase	·
00/606 636		6862324	10/23/00		Modulated Signals	27592-00179-US1
09/696,525	1205	0002324	10/23/00	C 4 7		27592-00179-051
	1225			Gee Lui	Data Aided Symbol	
·					Timing System For Precoded	1
					Continuous Phase	
44/742 440			02/28/07		Modulated Signals	27592-00179-US2
11/713,119	4524		02/20/07	Albert M. Young	Feed Forward	21392-00119-032
	. 4524		12.0	Albert IVI. Young	Linearized	
					Traveling Wave	
00/207 400	,	6477026	05/07/00		\ \	27592-00180-US1
09/307,199	2026	6177836	05/07/99	Robert Dybdal	Tube Orthogonal	2/392-00100-031
	3826			Robert Dybdai	Polarization And	· ·
	_				Frequency	
					Selectable	
					Waveguide Using	
· ·	ī. · · · /				Rotatable	
000000484		6816026	12/22/98		Waveguide	27592-00181-US1
09/220,184	22.16	00 10020	. 12/22/90	Samuel Osofsky	Adaptive	27032-00101-001
	2245			Samuel Osolsky	Interference	
	43 ° 4				Cancellation	
00/554 000		6724840	04/15/00		Method	27592-00202-US1
09/551,969	.6788	0124040	04/13/00	Rajendra Kumar	Adaptive	
	.0700			i itajenora redina	Smoothing System	
	, ,				For Fading	
	,			١.	Communication	
09/482,295		6693979	01/13/00		Channels	27592-00203-US1
05/402,233	3808	.0035373	0.17.10%00	Robert, Dybdal	Method To Resolve	
	3609	,		110001,117	Interferometric	
09/781,614		6421008	02/12/01		Ambiguities	27592-00204-US1
00//01/014	4571	0.2.000		Christopher F.	Dichroic Beam	
07/510,930	100	5052780	04/19/90	Klein	Splitter	27592-00210-US1
077010,500	2034	0002.02		Robert Dybdal	System And	
	2034	,			Method For	
10/872,094		6965343	06/17/04		Antenna Tracking	27592-00211-US1
10.0.2,004	3342			Robert Dybdal	System And	
					Method For	
11/273,097			11/14/05		Antenna Tracking	27592-00211-US2
	5303			Jason	Lightning Effects	
		ţ		Checksen Chai	Monitoring And	,
					Retest Evaluation	
09/253,173		6175808	02/19/99	',	Method	27592-00212-US1
	8689	I		Jun Yamamoto	Apparatus And	
	1				Method For	
					Employing	
	T :				Adaptive.	
				,	Interference	
	1				Cancellation Over	07500 000111101
08/013,614	1	5440308	02/12/87	1	A Wide Bandwidth	27592-00214-US1